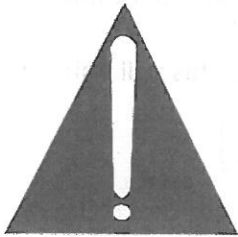
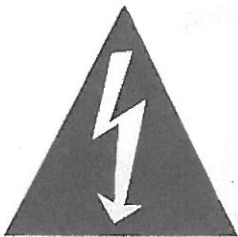


User Manual COBRA C405D



Caution!

Keep this equipment away from rain, moisture and liquids



Caution!

High Voltage - risk of electric shock!!

Dear Customer,

Thank you for purchasing the COBRA C405D dimmer pack. Cobra is one of the leading manufacturers of professional equipment and has decades of experience in design and production.

To meet all the requirements, this unit has been designed and built to the highest standards so you can be assured you have made a good investment.

Please read this manual fully for your safety and to take full advantage of the COBRA C405D features.

Product Description:

The COBRA C405D is a DMX-controlled 4-channel dimmer, which allows 4 separate channels of dimming of a load up to 5 amps per channel.

The Cobra C405D can also be used as a chaser with speed, dimmer and programme control.

Safety Advice:

Please read this manual fully before installing, powering or servicing this product.

General Advice

1. Read manual completely before using this product.
2. Keep manual for future reference.
3. Carry and transport this product with care as puncturing or dropping this product will damage it mechanically and technically.
4. The manufacturer takes no responsibility for injury or damage caused by not following the manual provided.

Protection from Electric Shock:

1. Do not connect the AC power plug to the unit before connecting your lights.
2. Only connect this unit to a mains socket with suitable trip protection and RCD protection.
3. Never pull the mains cable to disconnect from the mains socket – always pull by the mains plug.
4. Always disconnect the unit from the mains before cleaning. Cleaning should be carried out with a soft, dry cloth.
5. Do not expose this unit to any liquids. Do not operate near exposed water or in high humidity.
6. Choose a suitable route for mains cables, making sure there isn't a tripping hazard or risk of mains cable being squashed.
7. Do not open unit to service. There are no user serviceable parts inside the unit and this will void your warrantee.

Protection from Fire:

1. Do not place near sources of heat.
2. Do not block any ventilation holes.
3. Check your AC wall socket will take the load you are applying to avoid any overloading.

Protection from Injury and Damage:

1. Never try to modify this unit.
2. Always install the unit in a suitable location where vibrations to the unit are avoided.
3. If you are hanging this unit, ensure you use suitable safety wires.
4. Check this unit matches the mains voltage and frequency before plugging it in to your mains socket.
5. If any liquids or objects have entered the unit, switch off immediately and consult a qualified engineer.
6. If the unit malfunctions or there is damage to the mains cable, disconnect immediately and consult a qualified engineer.
7. All parts should be replaced with genuine spare parts and carried out by a qualified engineer.

Unpacking:

1. The box should contain a dimmer pack and user manual.
2. If there is any damage, please contact your dealer immediately.

Specifications:

Name:	COBRA C405D
Code:	C405D
Power Supply:	AC 230v ~ 50Hz
Dimensions:	262 x 195 x 76mm
Weight:	2.7kg
Fuse:	f6.3 amp (5 x 20mm)

If a 13 amp plug is fitted, the unit will only be suitable for a 2800 watt load.

Getting Started:

1. If the unit is to be hard wired or permanently installed, a qualified electrician should be consulted.
2. This unit is supplied with a 13 amp plug fitted. This will allow you to draw 2800 watts max. You can draw up to 4000 watts but a suitable 16 amp plug will need to be fitted or the unit needs to be hard wired in to a suitable supply. In this instance, a qualified electrician should be consulted.
3. Your C405D is fitted with 8 IEC sockets. Please note the maximum load should not exceed 5 amps per channel, not per socket.
4. Cabling from the output sockets to your fixtures should be carried out with correct IEC connectors and the cable must be rated to + 85°C and cable colours should comply to International standards:
Green/yellow = Earth,
Brown = Live,
Blue = Neutral

Rear View

FUSES: F6.3A 250V 5x20mm

1 2 3 4

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

This product must not be continuously used for a long time under 20A total output load.

WARNING:
THIS APPARATUS MUST BE EARTHED N'OUVREZ PAS RISQUE DE CHOQUE ELECTRIQUE

POWER

POWER INPUT: AC 220V-50HZ

DMX IN

DMX OUT

Front Panel

MODE	MENU	DISPLAY
RECEIVE	TOTAL DMX CHANNEL	CH 1104-6500-64
	DMX CHANNEL	R 001- R 511
	CHASE PROGRAMME	P 1- P 10
CHASE	CHASE SPEED	SP 1- SP 10
	CHASE DIMMER	ALC 0- A 100

1. Mode Button: To switch between DMX and chase mode.
2. Menu Button: To activate different functions in DMX/chase mode.
3. Up Button: To increase the displayed value in the display.
4. Down Button: To decrease the displayed value in the display.
5. Output Sockets: Used to power your lighting.
6. LED Indicators: Will light when the corresponding channel is activated.
7. LCD Display: Shows a value, what mode you are in and whether a DMX signal is being received.
8. Channel Fuses: Each channel has its own 6.3 amp fuse. These are to stop overloading or can blow when a bulb blows. Please replace with the same type.
9. Power Switch: This controls the unit's power.
10. Power Cable: Mains cable to supply power to the unit.
11. DMX Input: This socket is for a DMX control signal.
12. DMX Output: This socket is to connect to the next DMX device.

Replacing a Fuse:

1. Disconnect from mains supply.
2. Use a flat screwdriver to unscrew.
3. Always change for a fuse of the same value.

Operation:

This unit has two working modes. It can be used as a 4-channel chaser or as a 1-, 2-, or 4-channel DMX dimmer pack.

Please follow the instructions below to operate and set up your unit.

Chase Mode:

1. Connect your lights to the IEC output sockets.
2. Press the mode button, until the display reads P and a number.
3. You can use the up and down buttons to select the desired chase programme. You can choose from 1 to 16.
4. If you press the menu button the letter d and a number appear. You can now use the up and down button to set your dimming levels – you have a range from 000-100. 100 Being the maximum.
5. By pressing the menu button again, SP and a number appear. This is to control the speed of your programme. You can adjust this by using the up and down buttons. You have a range of 01-99. 99 Being the fastest.

DMX Mode:

Use this function if you are using a DMX controller. You can set this pack as a 1-channel, 2-channel or 4-channel pack. 1-channel will need 1 DMX channel to control it from your controller. 4-channel will need 4 channels to control it from your controller.

1. Connect a 3-pin DMX cable from controller to the DMX input on the pack.
2. Connect your lighting to the IEC output sockets.
3. Press the mode button until A and a number appear. Use the up and down button to set your DMX address. You have a range from 001-512.
4. Decide whether you are using this pack in 1-, 2- or 4-channel mode. This can be adjusted by pressing the menu button and using the up and down buttons. CH and a number will appear. CH: 4 is the most common mode.

The pack's address can be varied in value, depending on the controller you are using and how many packs you are using on that controller.

If your controller is a simple 8 slider DMX controller and you are using 2 DMX packs, set the address on one pack to A001 and on the second pack to A005 and put both packs in 4-channel mode.

Now you have set your address and connected it to your DMX controller, your pack will work as a DMX pack so all your dimming control is done from your controller.

The DMX signal light in the display will flash if you are receiving a DMX signal from your controller.

It is recommended to put a DMX terminator in to any DMX output socket, which has nothing plugged in it.